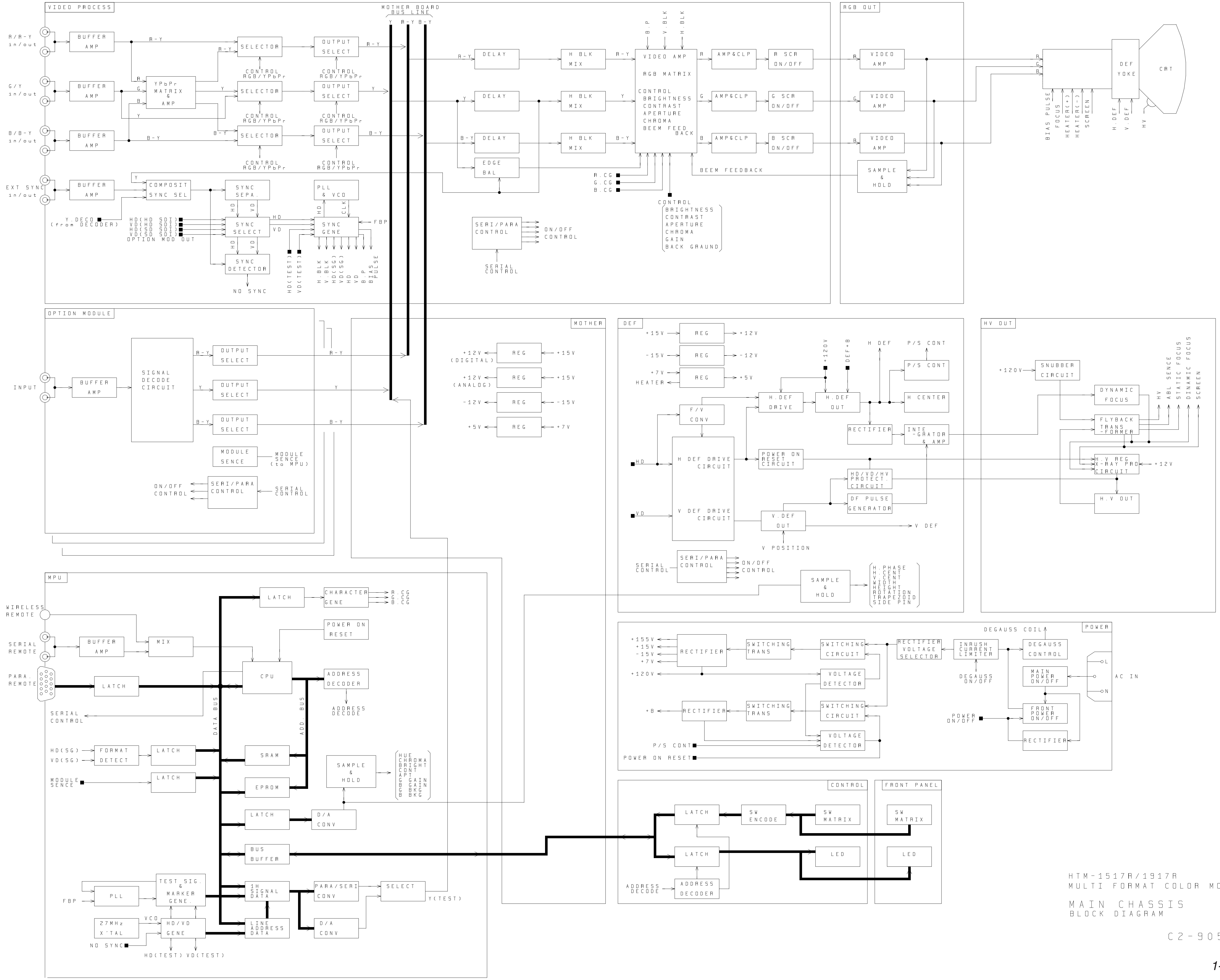
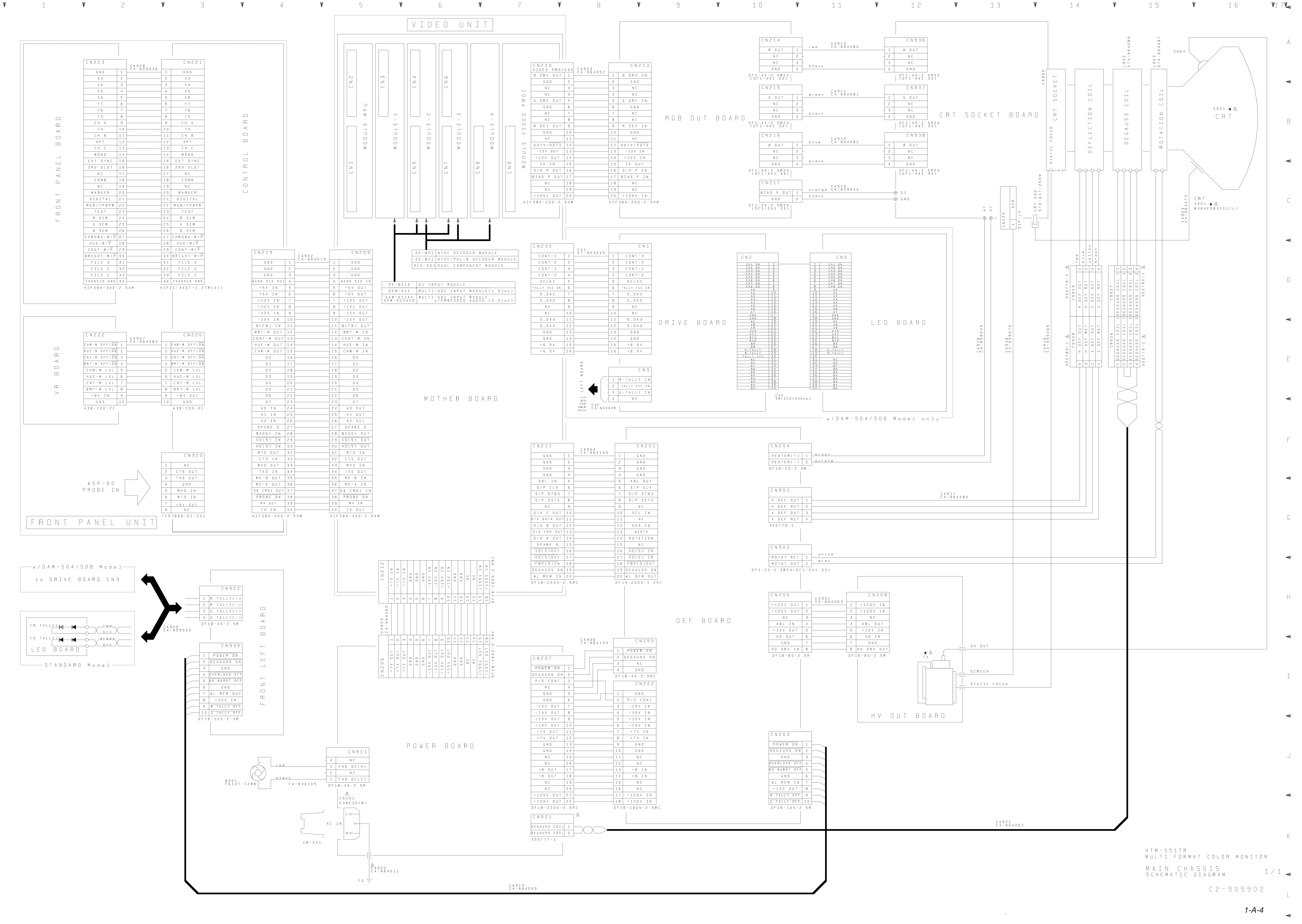


HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

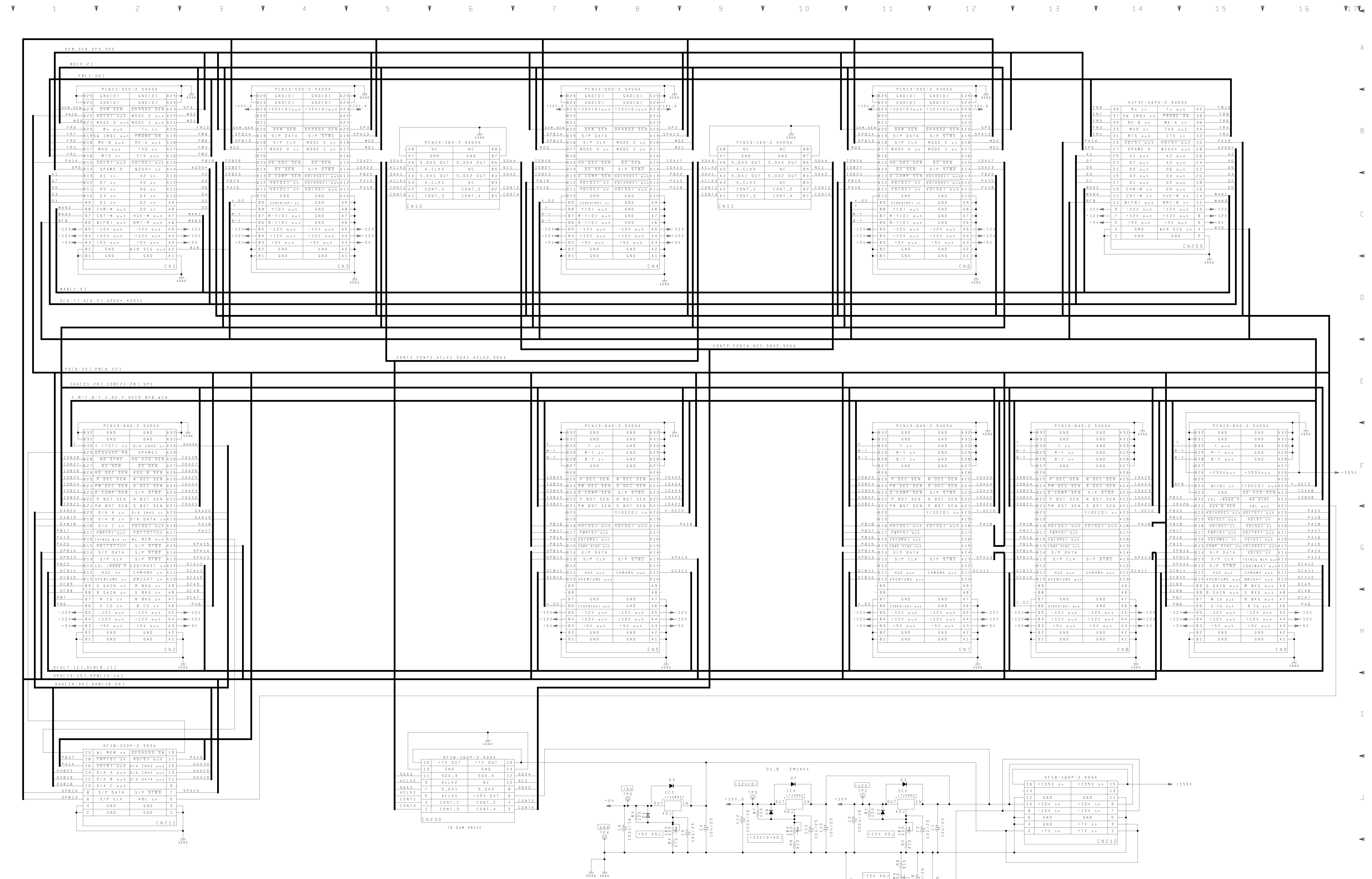
MAIN CHASSIS
BLOCK DIAGRAM

1/1

C2-905709



HTM-1517R
MULTI FORMAT COLOR MONITOR
MAIN CHASSIS
SCHEMATIC DIAGRAM
1/1
C2-905902



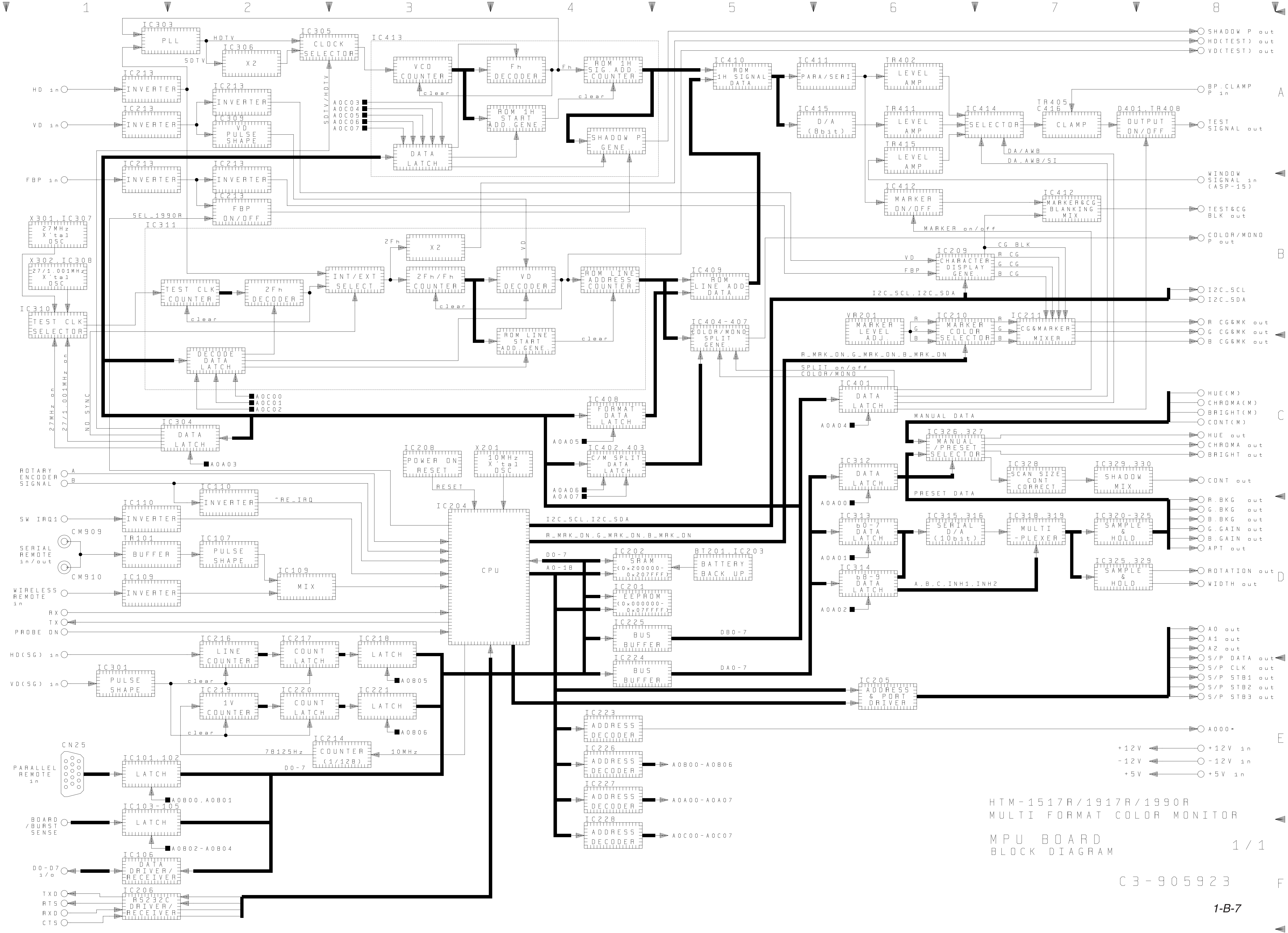
HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

MOTHER BOARD
SCHEMATIC DIAGRAM

1/1

REV

C2-905612 2

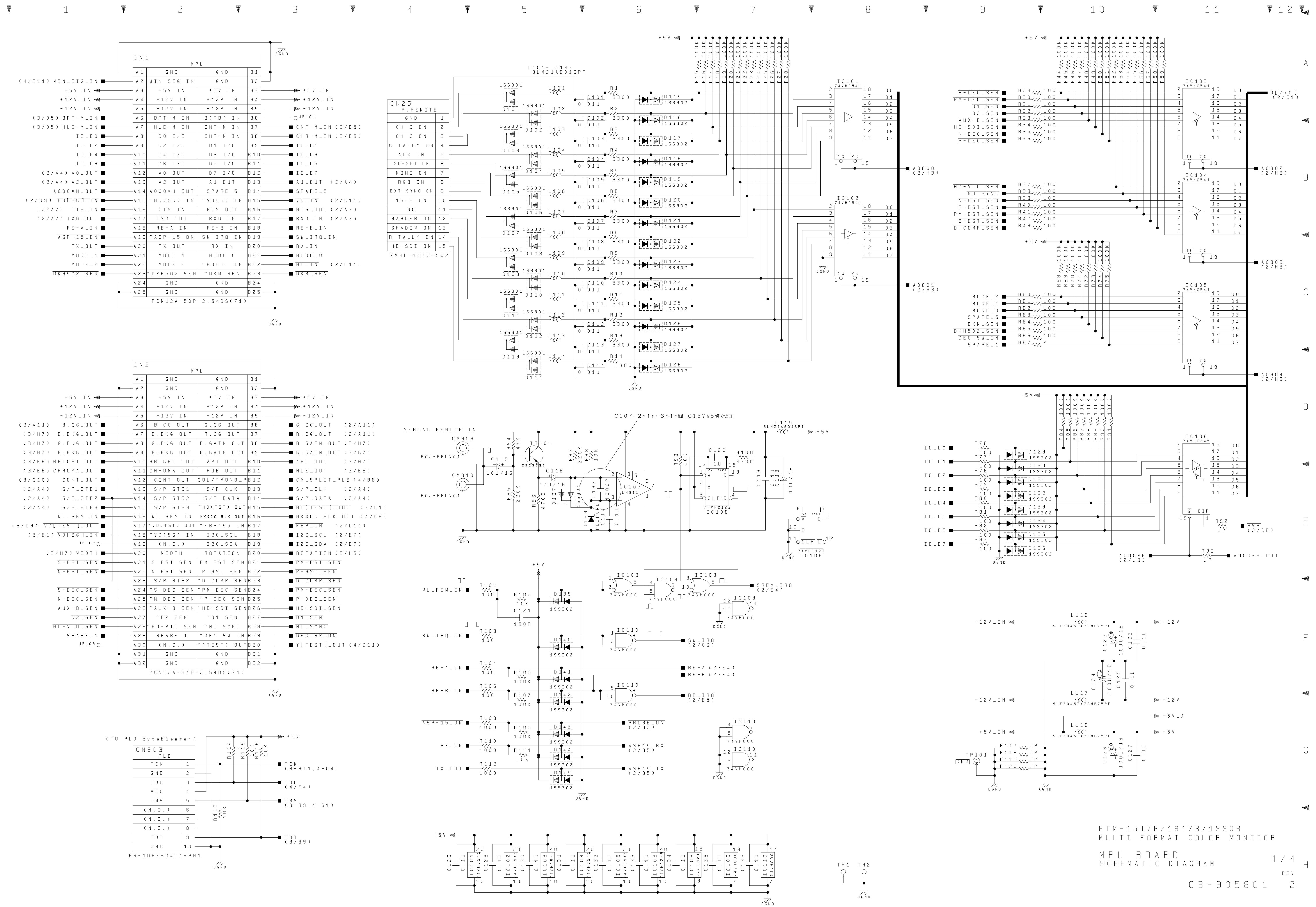


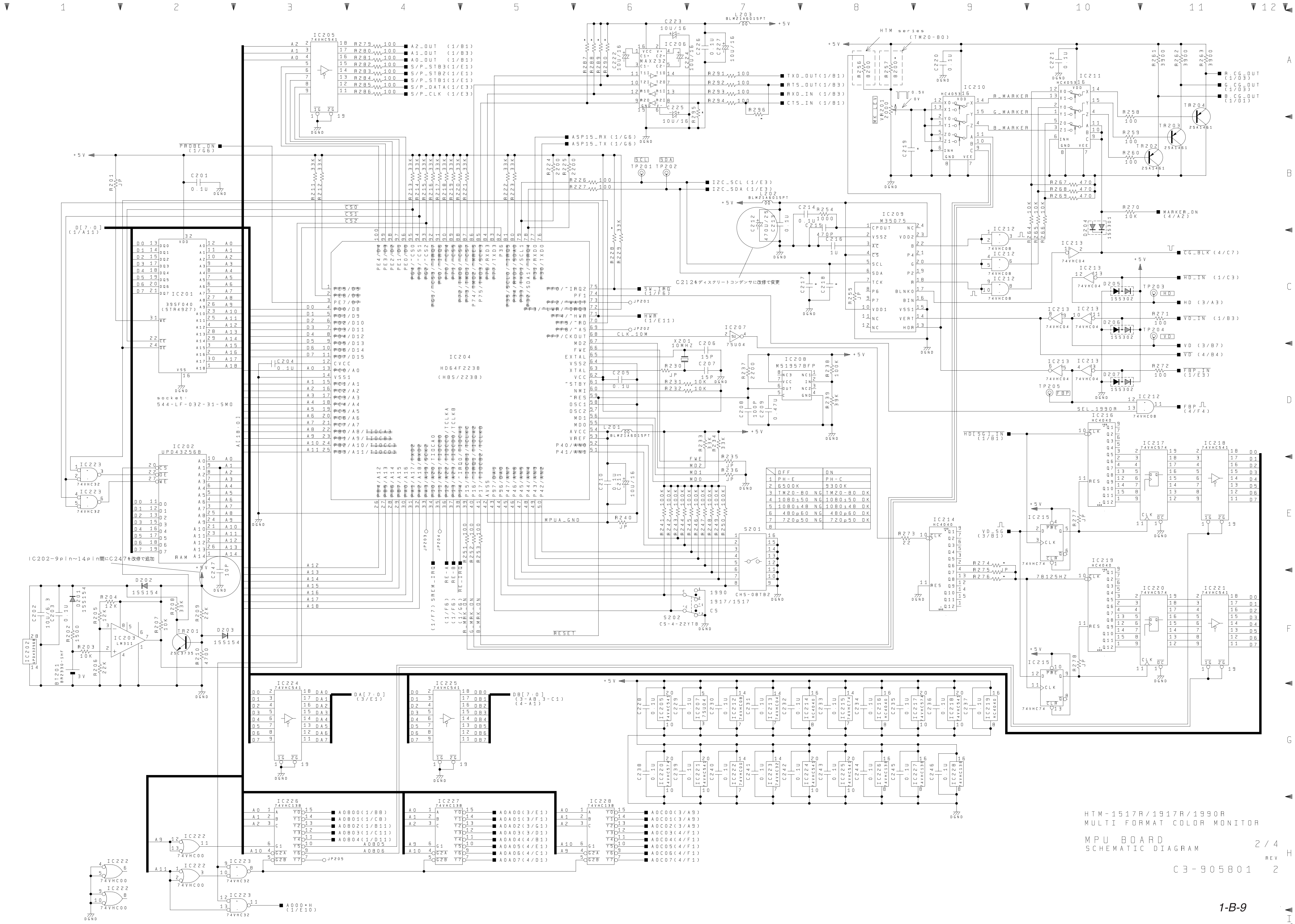
HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

MPU BOARD
BLOCK DIAGRAM

1/1

C3-905923


CN1 MPU
CN2 MPU
CN25 P_REMOTE
CN303 PLD
(TO PLD ByteBlaster)
PCN12A-50P-2.54DS(71)
PCN12A-64P-2.54DS(71)
XM4L-1542-502
PS-10PE-D4T1-PN1
L101-L114: BLM21A601SPT
SERIAL REMOTE IN
IC107-2pin~3pin間にC137を改修で追加
IC101 74VHC541
IC102 74VHC541
IC103 74VHC541
IC104 74VHC541
IC105 74VHC541
IC106 74VHC245
IC107 LM311
IC108 74VHC123
IC109 74VHC00
IC110 74VHC00
D[7:0] (2/C1)
AOB00 (2/H3)
AOB01 (2/H3)
AOB02 (2/H3)
AOB03 (2/H3)
AOB04 (2/H3)
HWR (2/C6)
A000-H_OUT
SREM_IRQ (2/E4)
SW_IRQ (2/C6)
RE-A (2/E4)
RE-B (2/E4)
RE_IRQ (2/E5)
PROBE_ON (2/B2)
ASP15_RX (2/B5)
ASP15_TX (2/B5)
TCK (3-B11,4-G4)
TDO (4/F4)
TMS (3-B9,4-G1)
TDI (3/B9)
+12V_IN
-12V_IN
+5V_IN
+5V_A
TP101 GND
TH1 TH2
HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR
MPU BOARD
SCHEMATIC DIAGRAM
1/4
REV
C3-905801 2

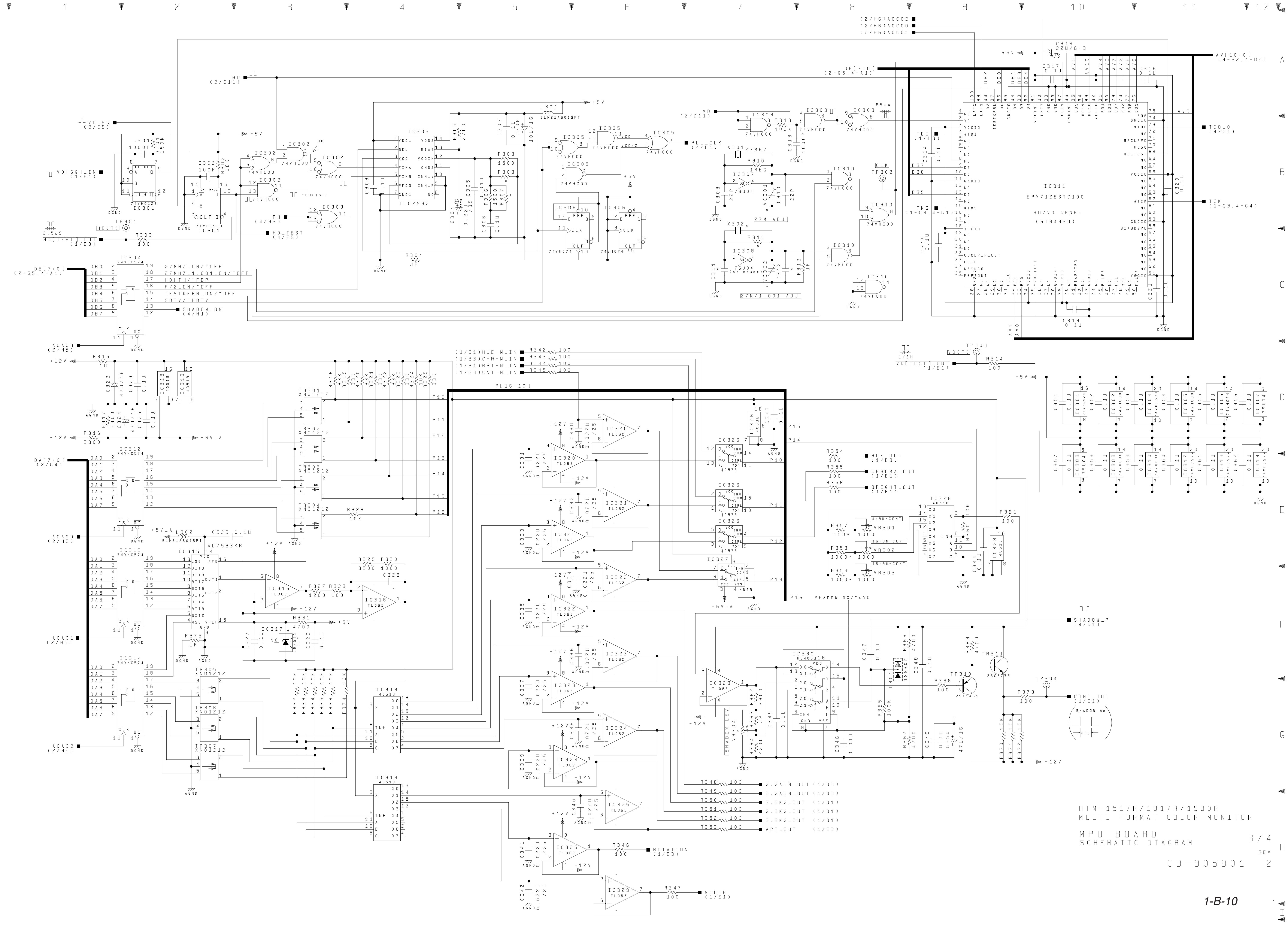


	OFF	ON
1	PH-E	PH-C
2	6500K	9300K
3	TM20-80 NG	TM20-80 OK
4	1080i50 NG	1080i50 OK
5	1080i48 NG	1080i48 OK
6	480p60 NG	480p60 OK
7	720p50 NG	720p50 OK
8		

HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

MPU BOARD
SCHEMATIC DIAGRAM 2/4

REV
C3-905801 2



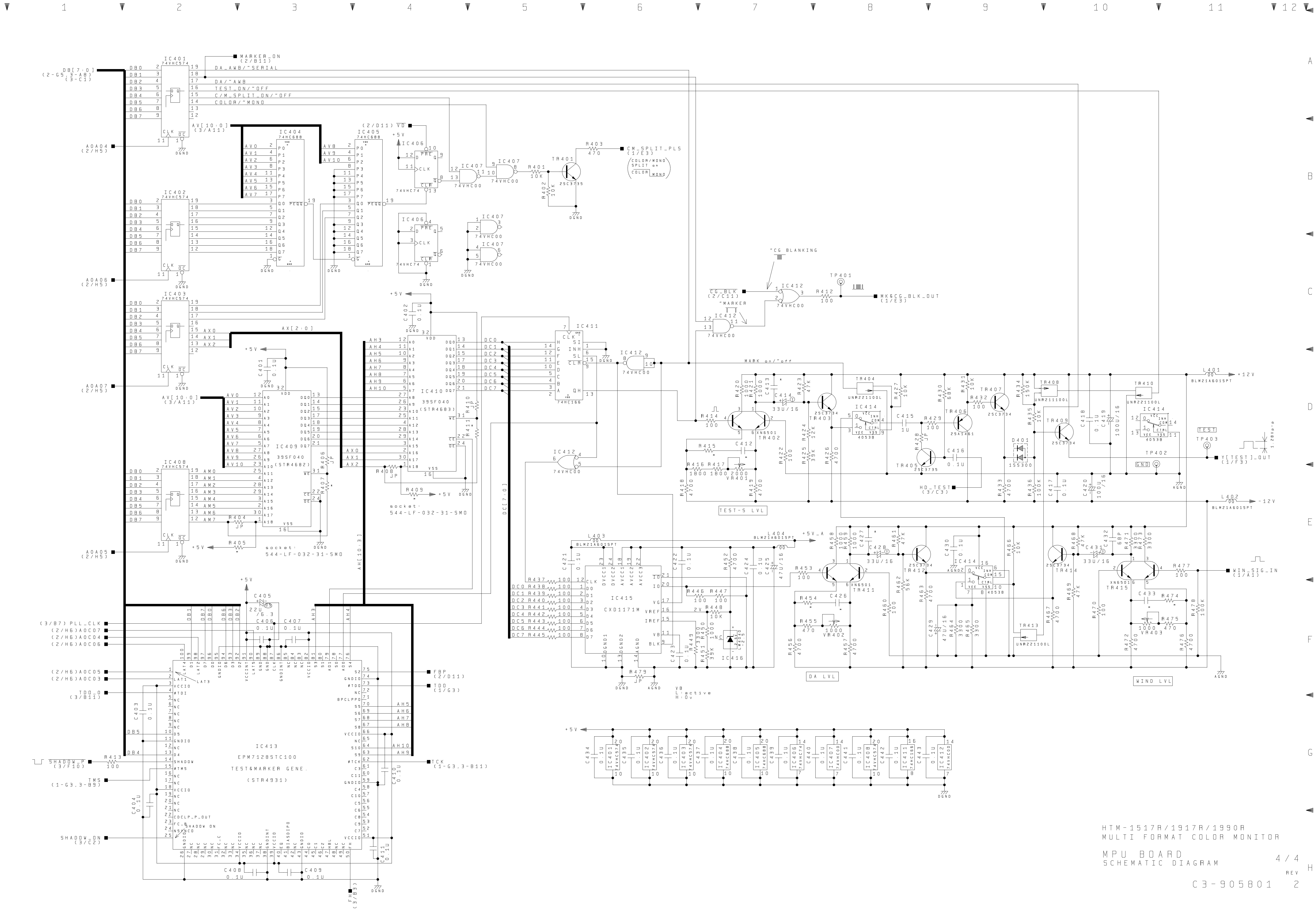
HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

MPU BOARD
SCHEMATIC DIAGRAM

3/4

REV

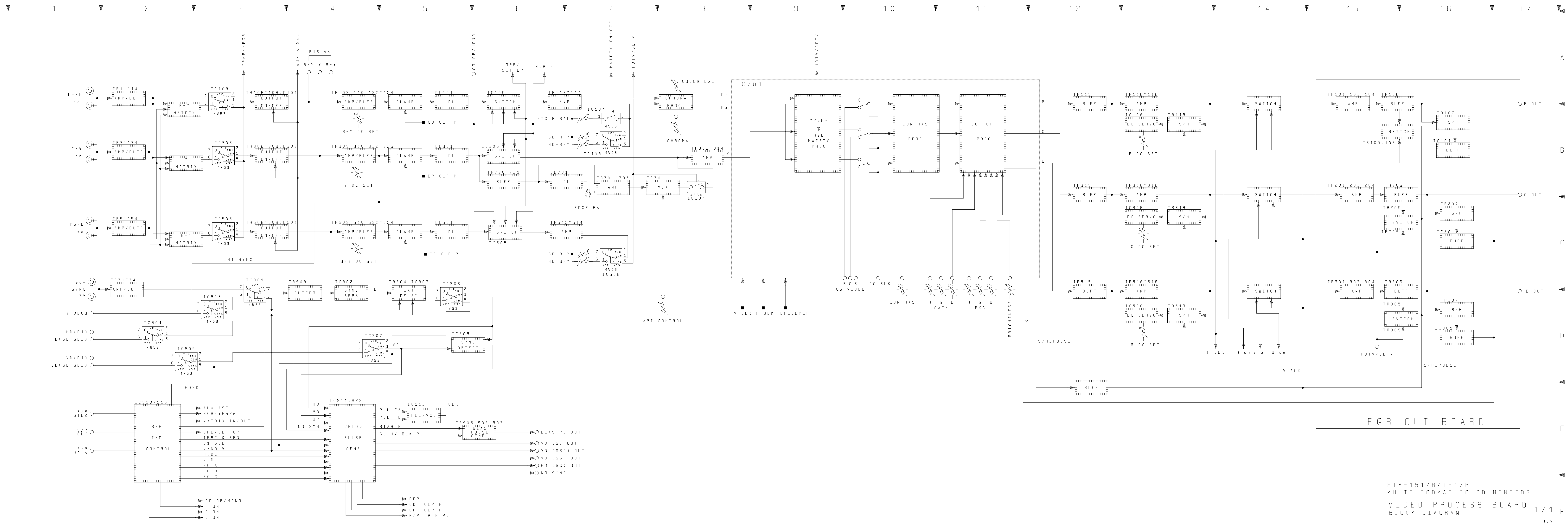
C3-905801 2



HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

MPU BOARD
SCHEMATIC DIAGRAM 4/4

REV
C3-905801 2



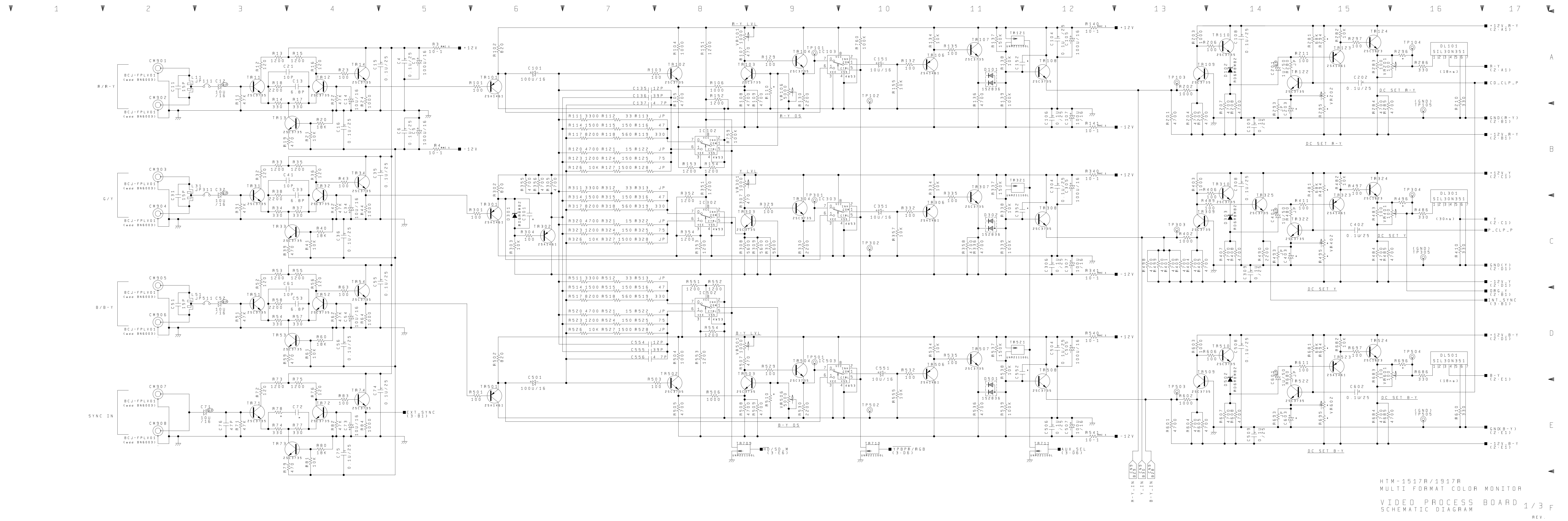
HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

VIDEO PROCESS BOARD
BLOCK DIAGRAM

1/1

REV.

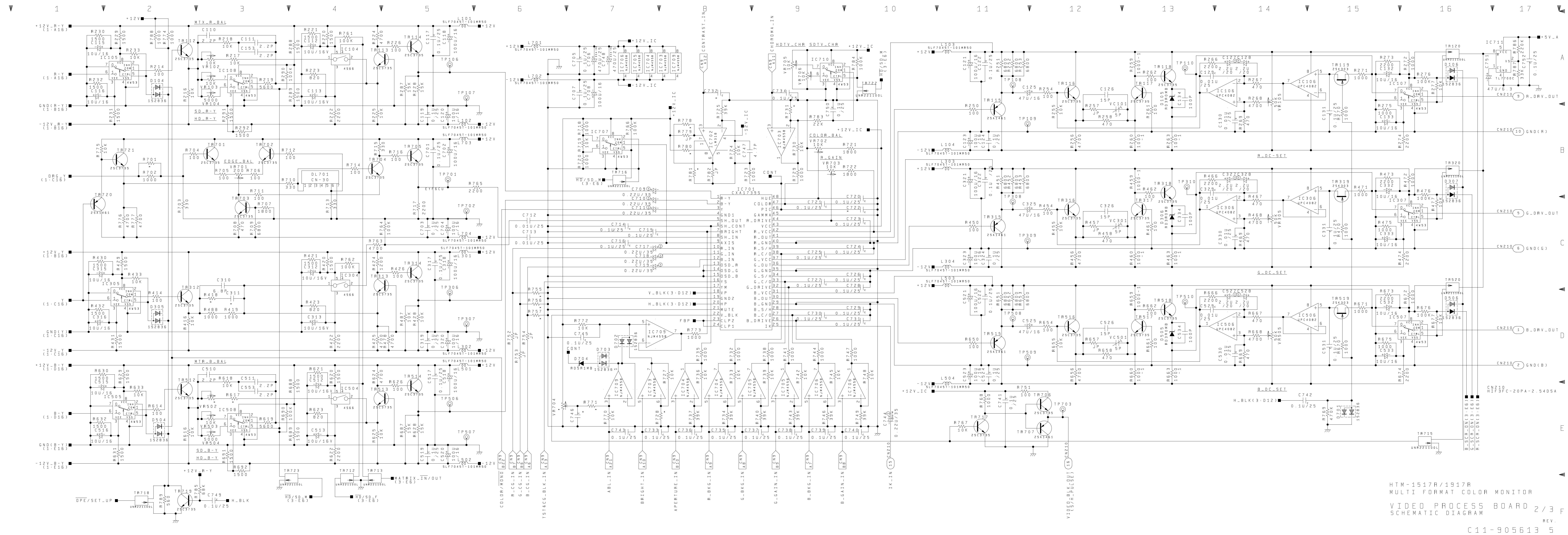
C11-905708 1



HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

VIDEO PROCESS BOARD 1/3
SCHEMATIC DIAGRAM

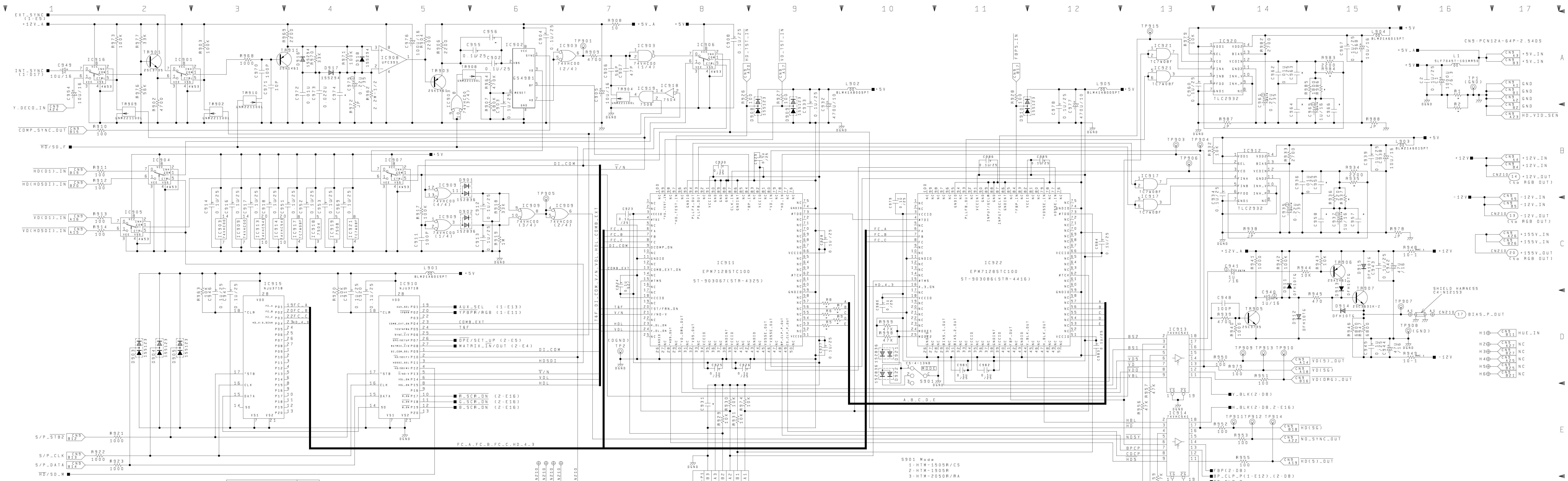
REV.
C11-905613 5



HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

VIDEO PROCESS BOARD 2/3
SCHEMATIC DIAGRAM

REV
C11-905613 5

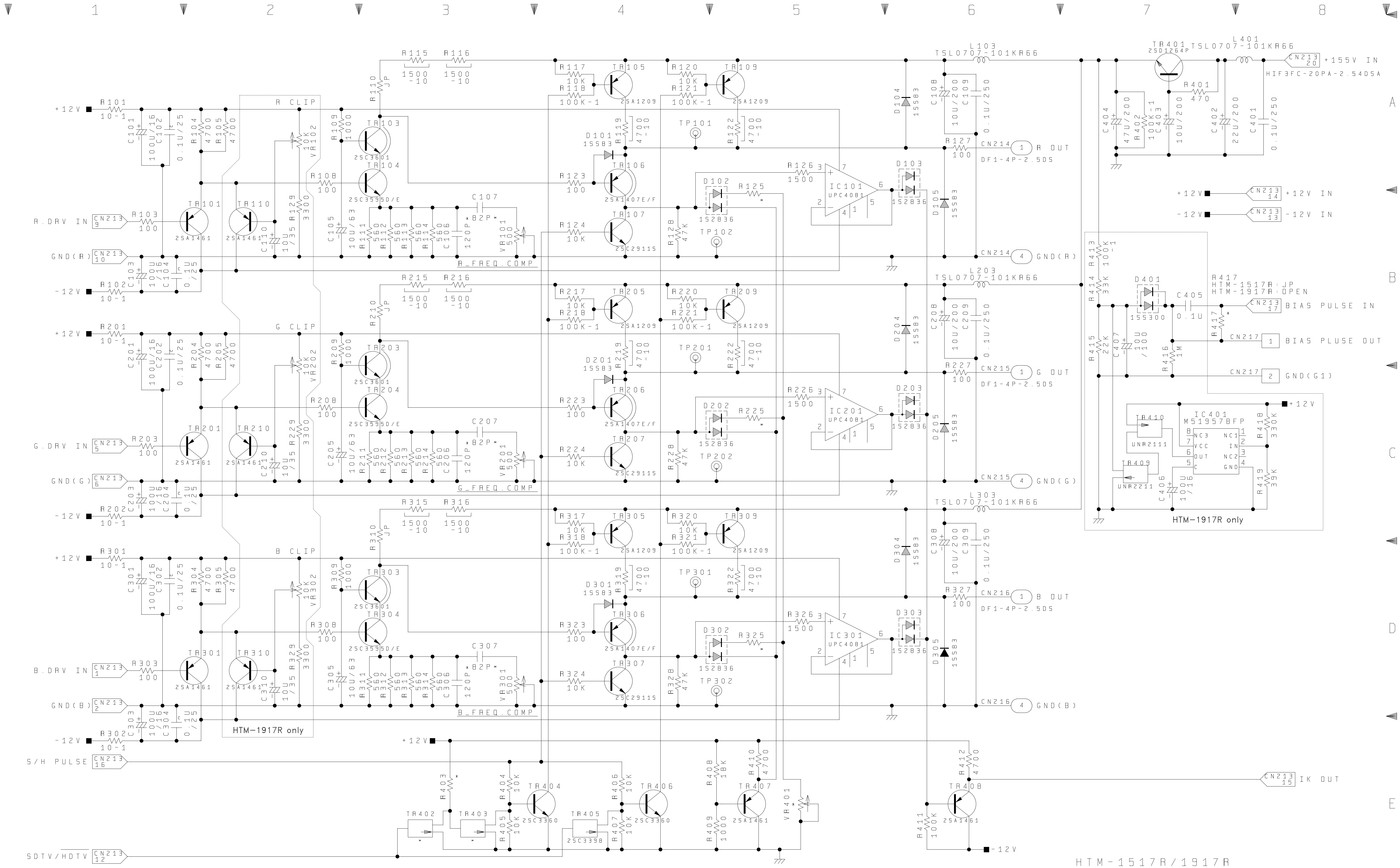


FORMAT	F.C A	F.C B	F.C C
525I/59.94	0	0	0
625I/50	1	0	0
1080I(1035I)/59.94	0	1	0
1080I/50	1	1	0

HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

VIDEO PROCESS BOARD 3/3
SCHEMATIC DIAGRAM

REV.
C11-905613 5

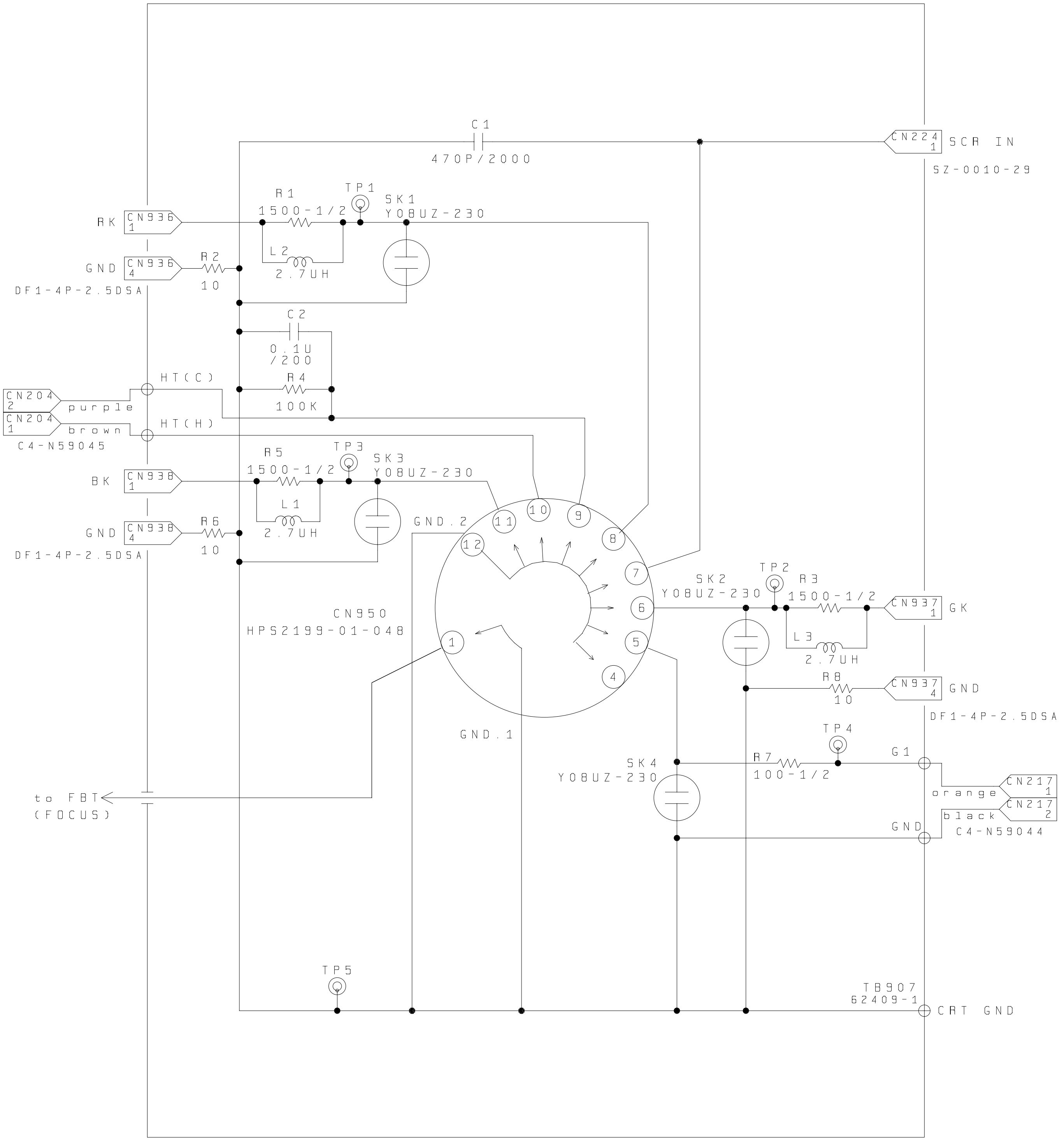


HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

RGB OUT BOARD
SCHEMATIC DIAGRAM

1/1

C3-905900



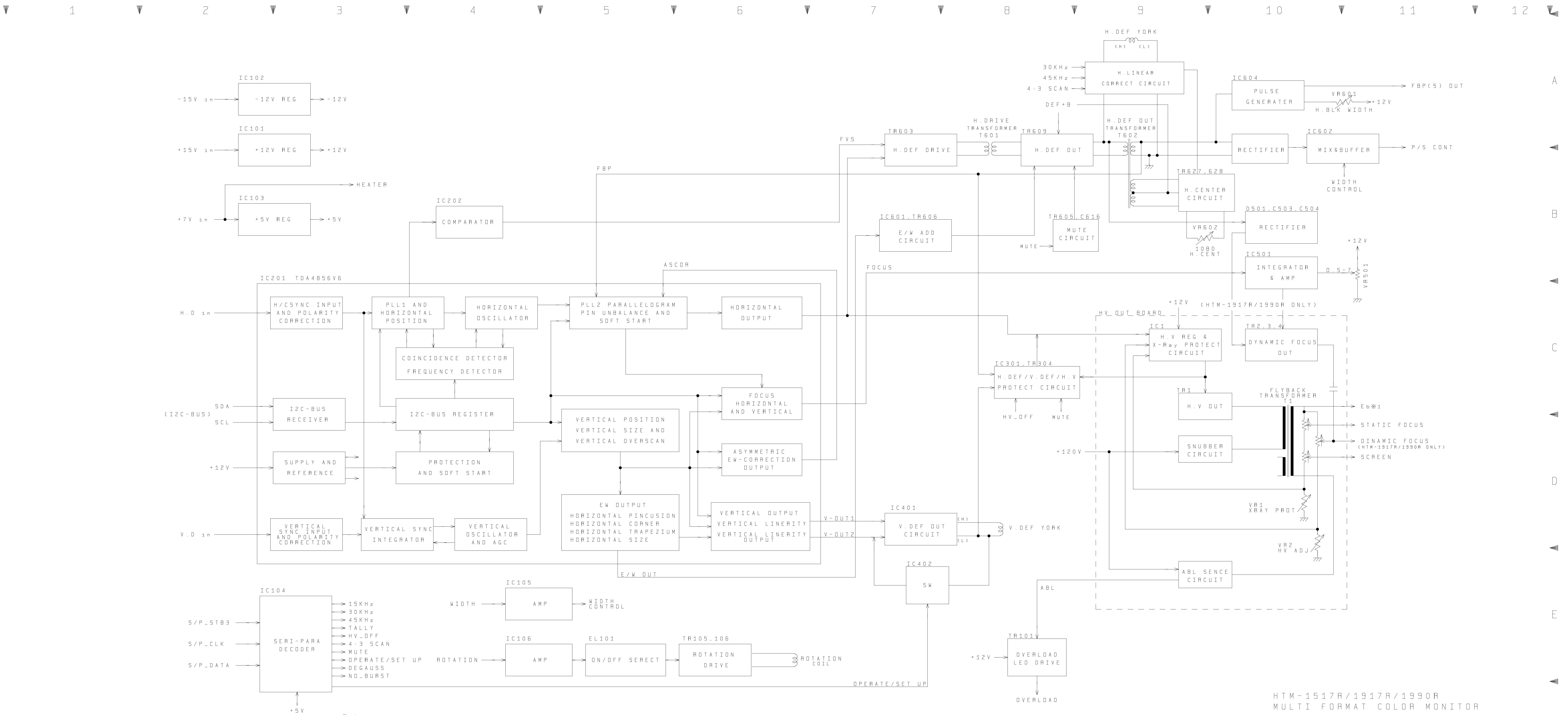
HTM-1517R
MULTI FORMAT COLOR MONITOR

CRT SOCKET BOARD
SCHEMATIC DIAGRAM

1/1

REV

C4-905417 3

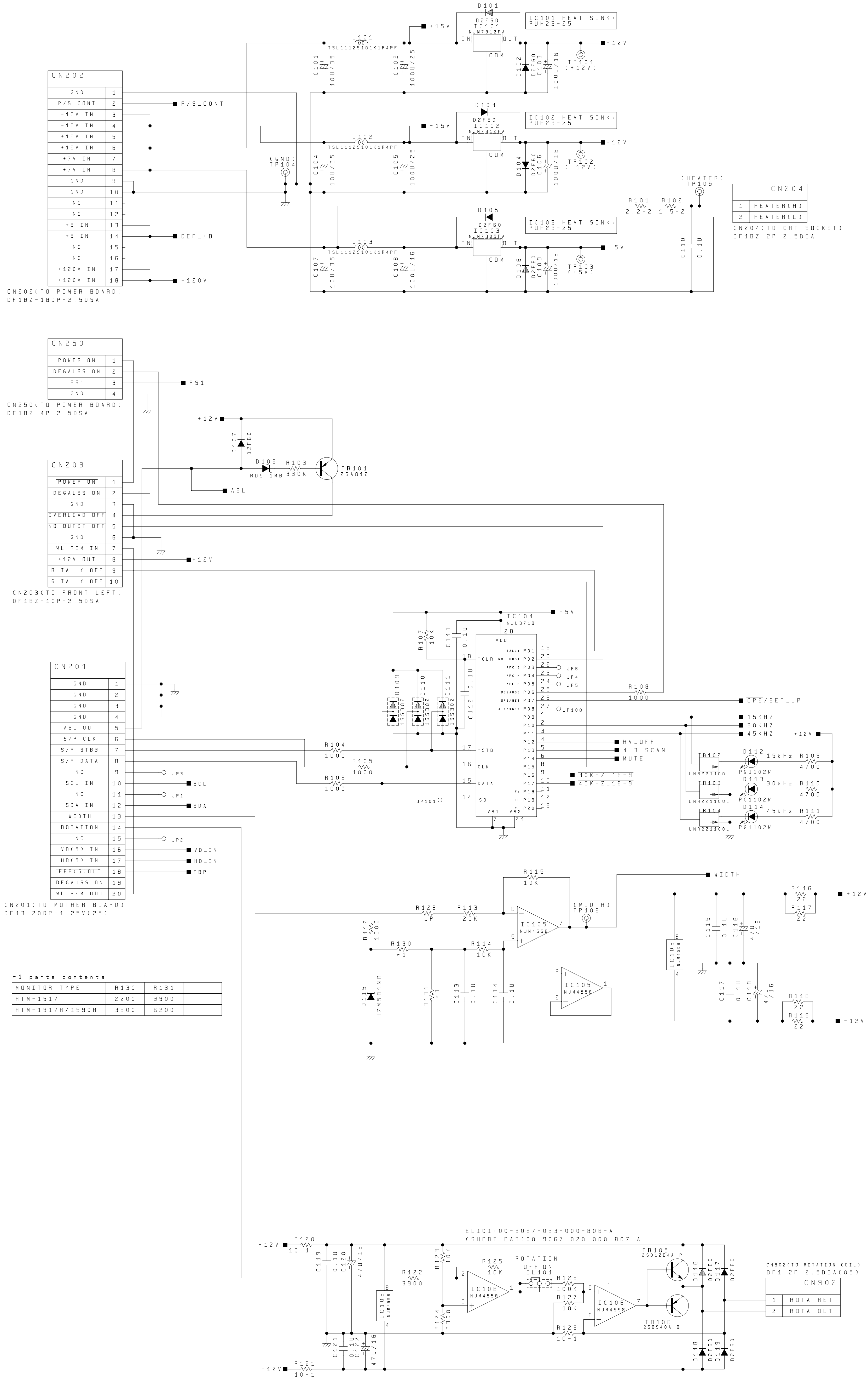


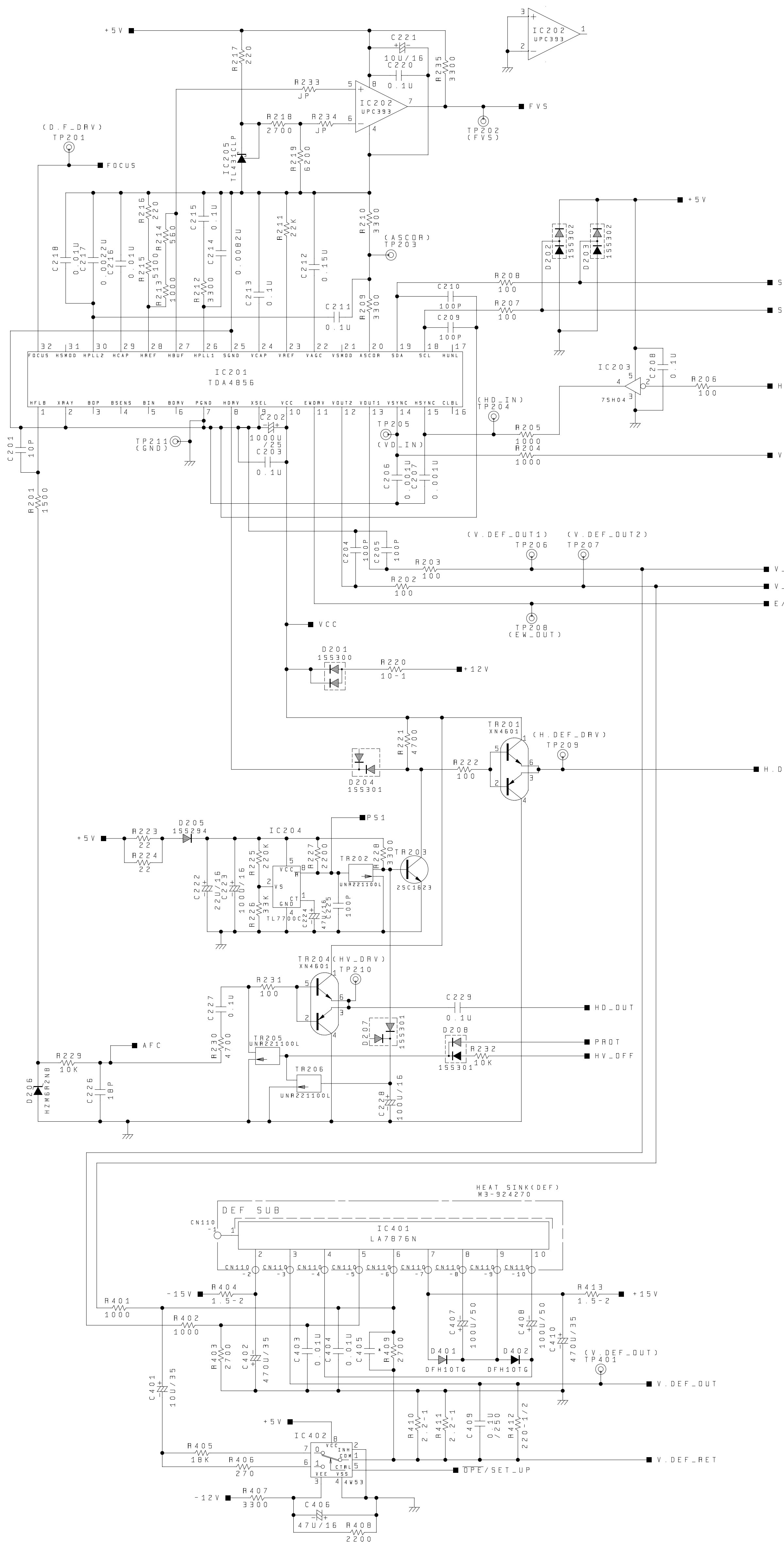
Note:
*1 For the high voltage, HTM-1517 is 25kV and HTM-1917R/1990R is 26kV.

HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

DEF BOARD/HV OUT BOARD 1/1
BLOCK DIAGRAM

C21-905929





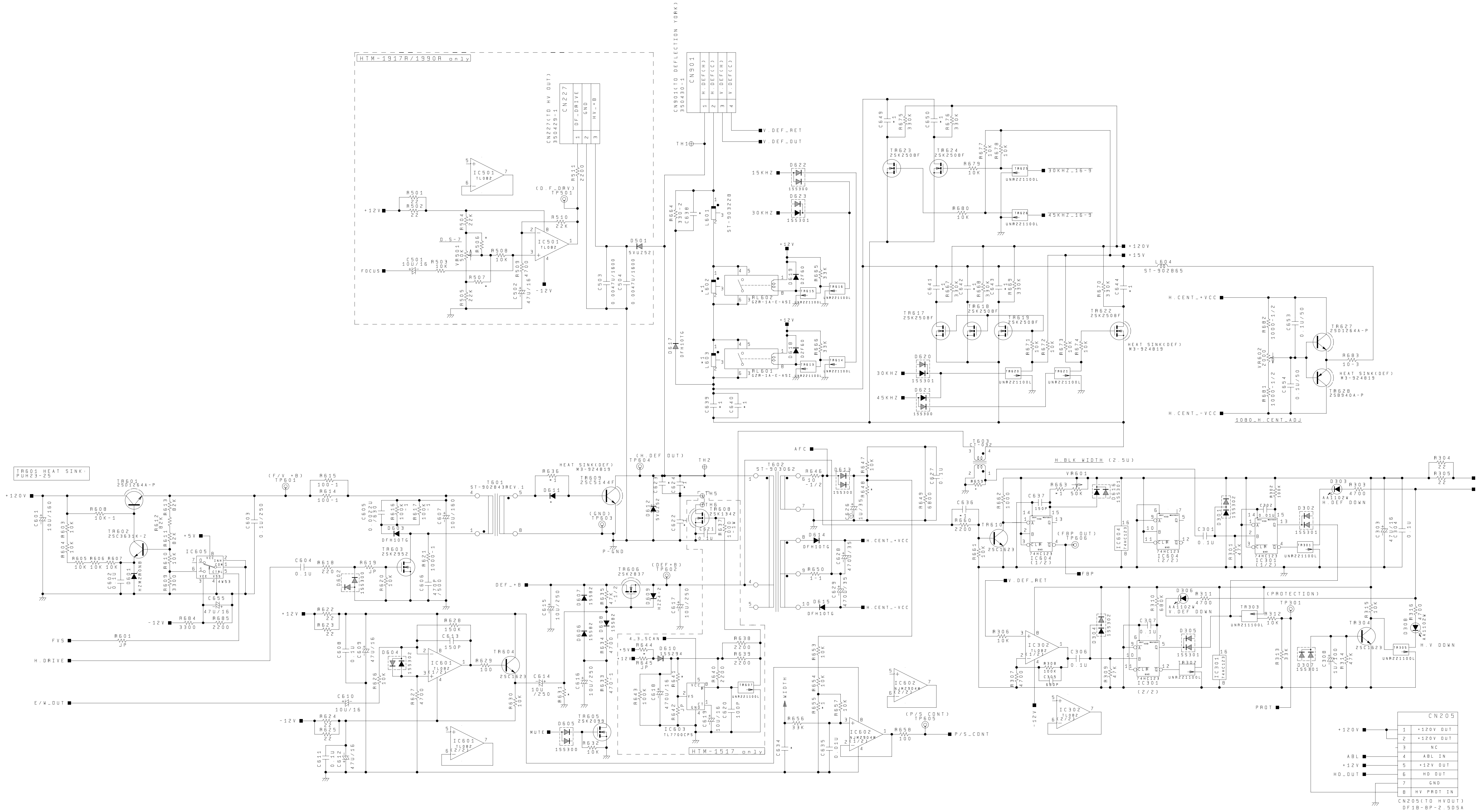
*1 parts contents

MONITOR TYPE	R130	R131	
HTM-1517	2200	3900	
HTM-1917R/1990R	3300	6200	

HTM-1517/1917R/1990R
MULTI FORMAT COLOR MONITOR

DEF BOARD
SCHEMATIC DIAGRAM 1/2

REV.
C1-905802 2



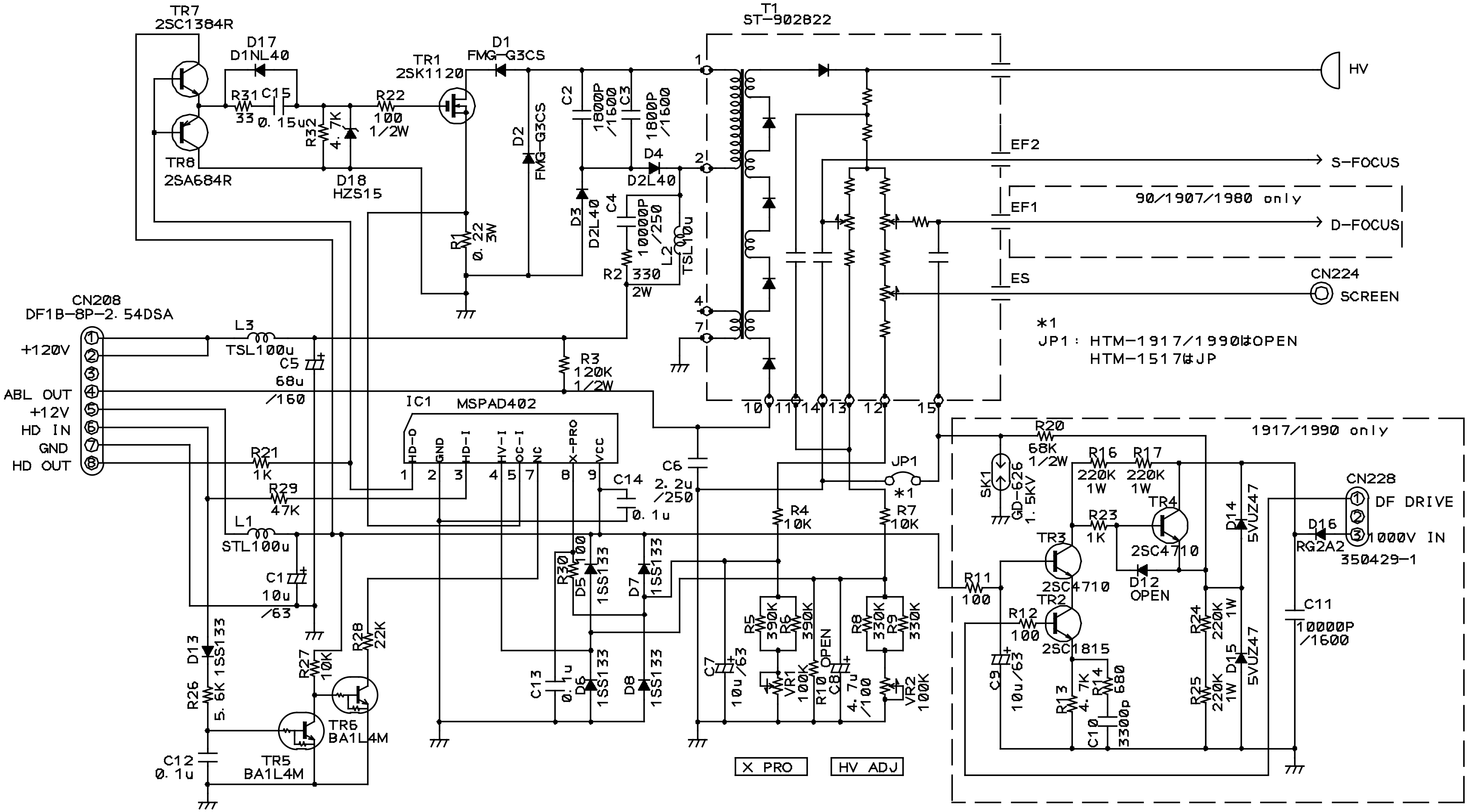
*1 parts contents

MONITOR TYPE	C622	C624	R636	L602	L603	C639	C640	C641	C642	C643	C644	C649	C650	R655	C636	R663
HTM-1517	0.0056U/1800VHP	0.0047U/1800VHP	1-3W	ST-902866	ST-903261	0.1U/800V	0.1U/800V	1U/250V	1U/250V	1U/250V	0.33U/250V	0.15U/250V	0.22U/250V	2200	470P	6800
HTM-1917R/1990R	0.015U/1800VHP	0.01U/1800VHP	0.47-3W	ST-903260	ST-903061	0.33U/630V	0.22U/630V	2.2U/250V	2.2U/250V	3.9U/250V	0.82U/250V	0.47U/250V	0.82U/250V	3300	NOT USED	4700

HTM-1517/1917R/1990R
MULTI FORMAT COLOR MONITOR

DEF BOARD
SCHEMATIC DIAGRAM 2/2

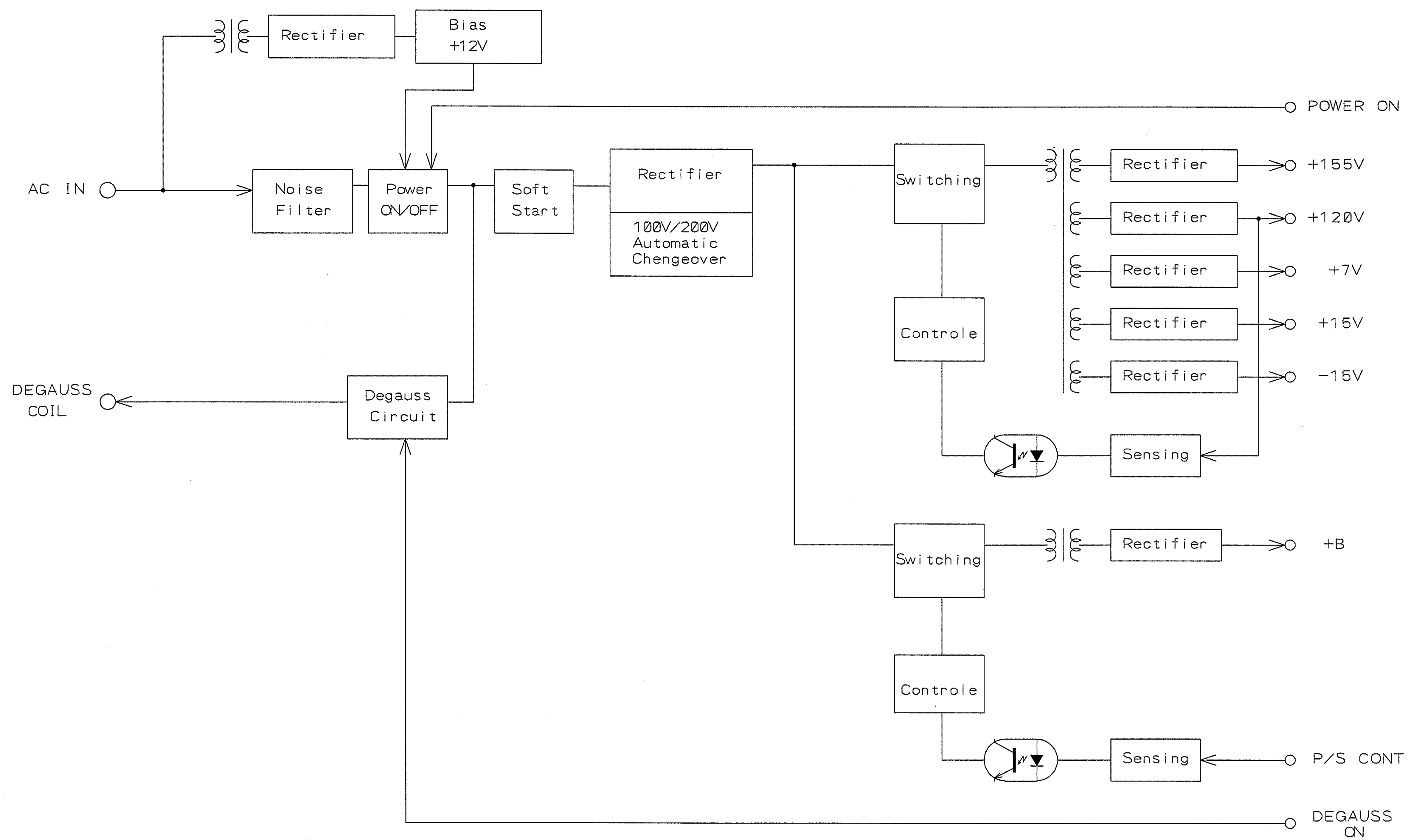
REV.
C1-905802 2



HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

HV OUT BOARD 1/1
SHCEMATIC DIAGRAM

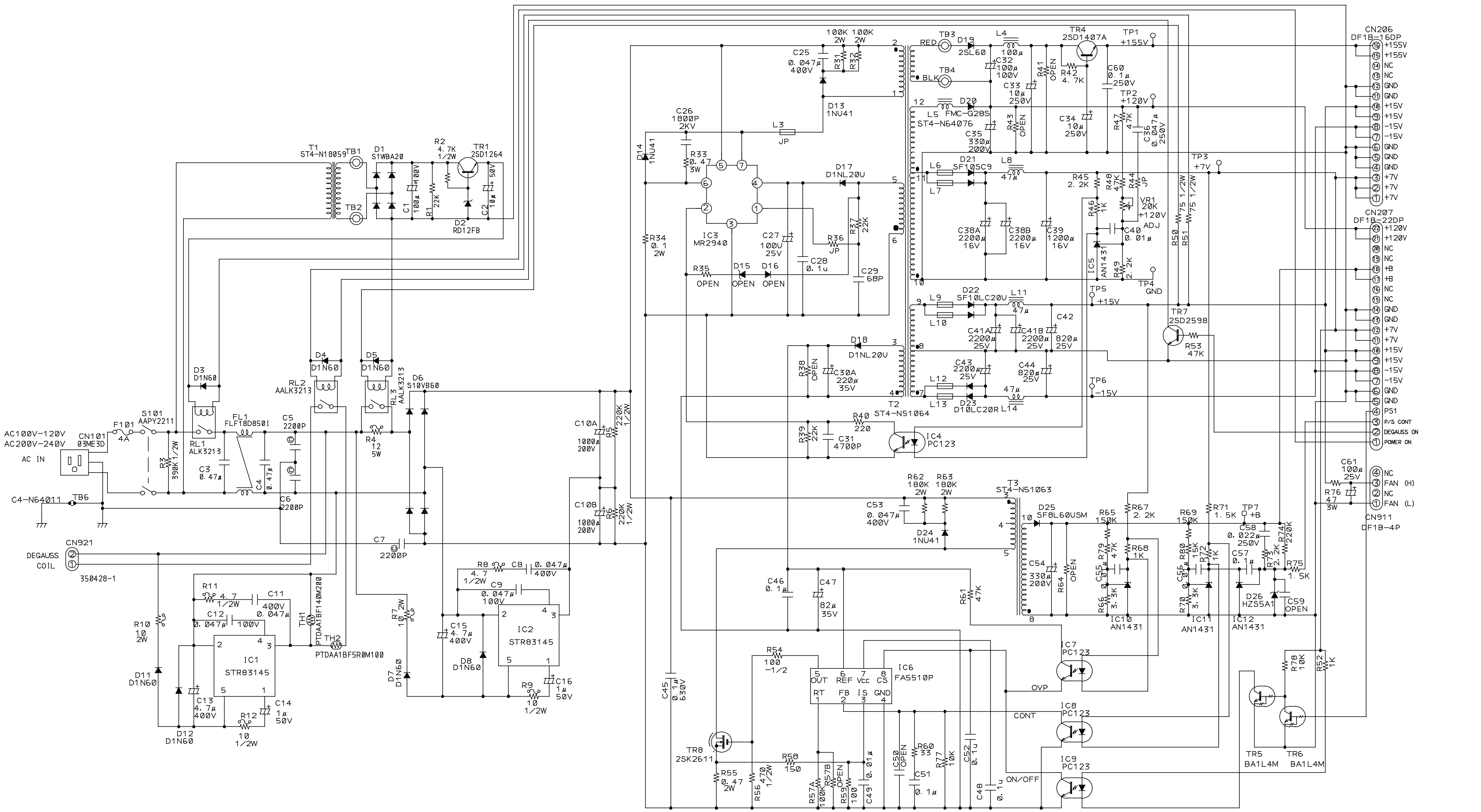
C3-N36175



HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

POWER USA BOARD 1/1
BLOCK DIAGRAM

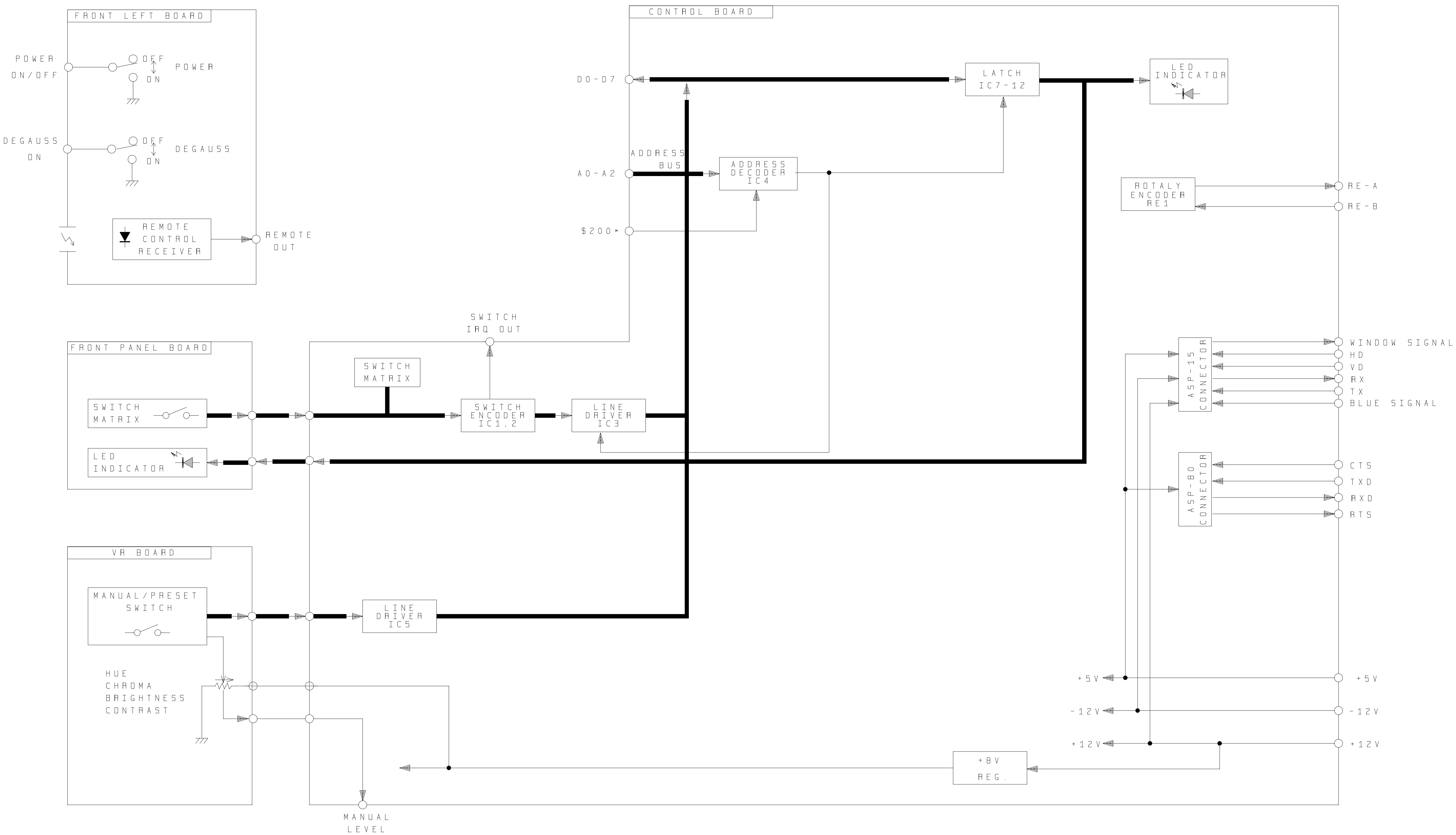
C3-N64150



HTM-1517R/1917R
MULTI FORMAT COLOR MONITOR

POWER USA BOARD 1/1
SCHEMATIC DIAGRAM

C2-N36136



HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

CONTROL SYSTEM
BLOCK DIAGRAM

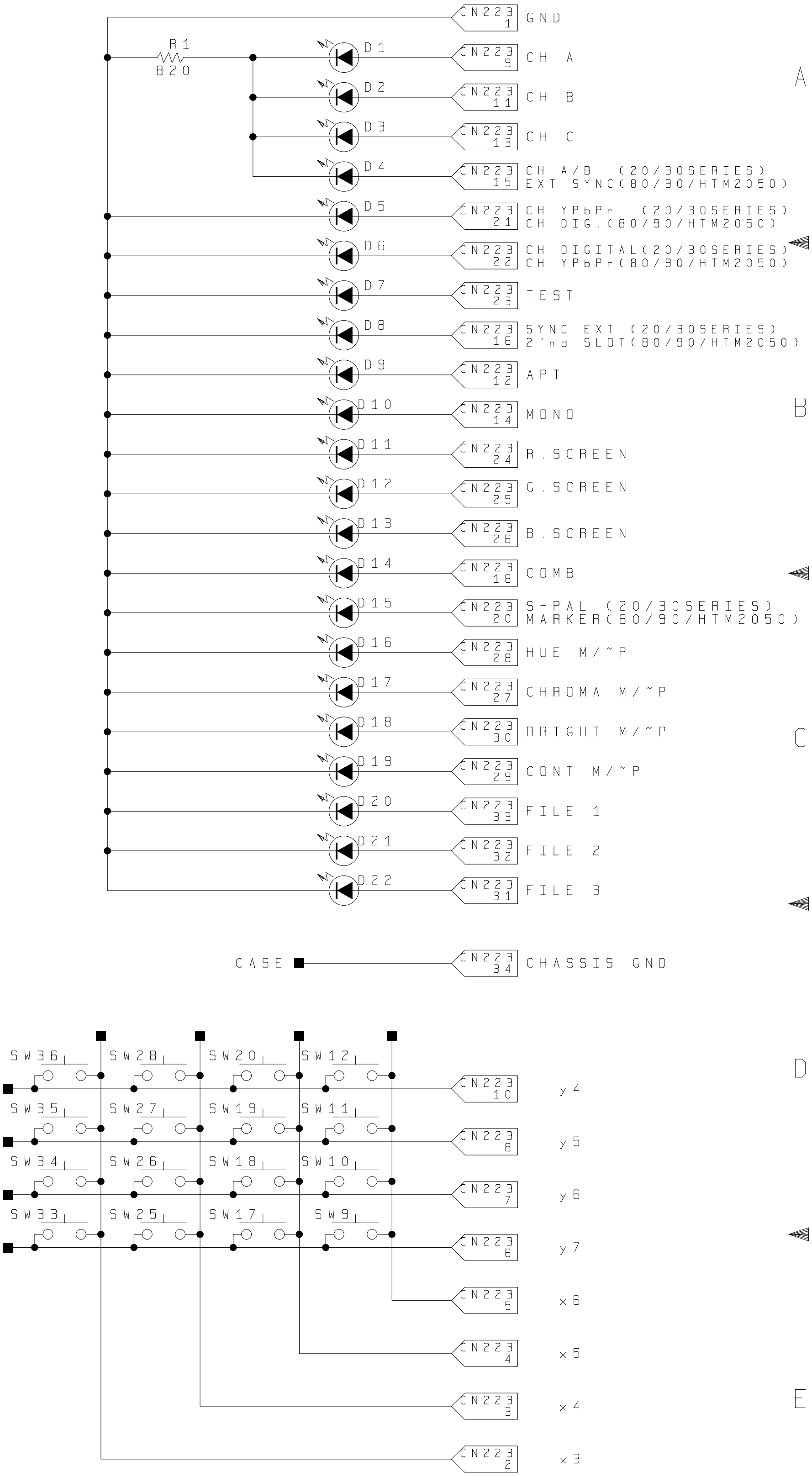
1/1

C3-905713

D1 to D15 : TLG226

D20 to D22 : TLG226

D16 to D19 : TLY226



S9 : DIGITAL(20/30SERIES)
YPbPr (80/90/HTM2050)

S10: R.SCREEN

S11: G.SCREEN

S12: B.SCREEN

S17: DELAY (20/30SERIES)
ASPECT(80/90/HTM2050)

S18: MONO

S19: SCAN

S20: APT

S25: SYNC EXT (20/30SERIES)
2'nd SLOT(80/90/HTM2050)

S26: COMB

S27: S-PAL (20/30SERIES)
MARKER(80/90/HTM2050)

S28: SAFE TITLE(20/30SERIES)
DELAY (80/90/HTM2050)

S33: TEST

S34: UP SELECT

S35: DOWN SELECT

S36: YPbPr (20/30SERIES)
DIGITAL(80/90/HTM2050)

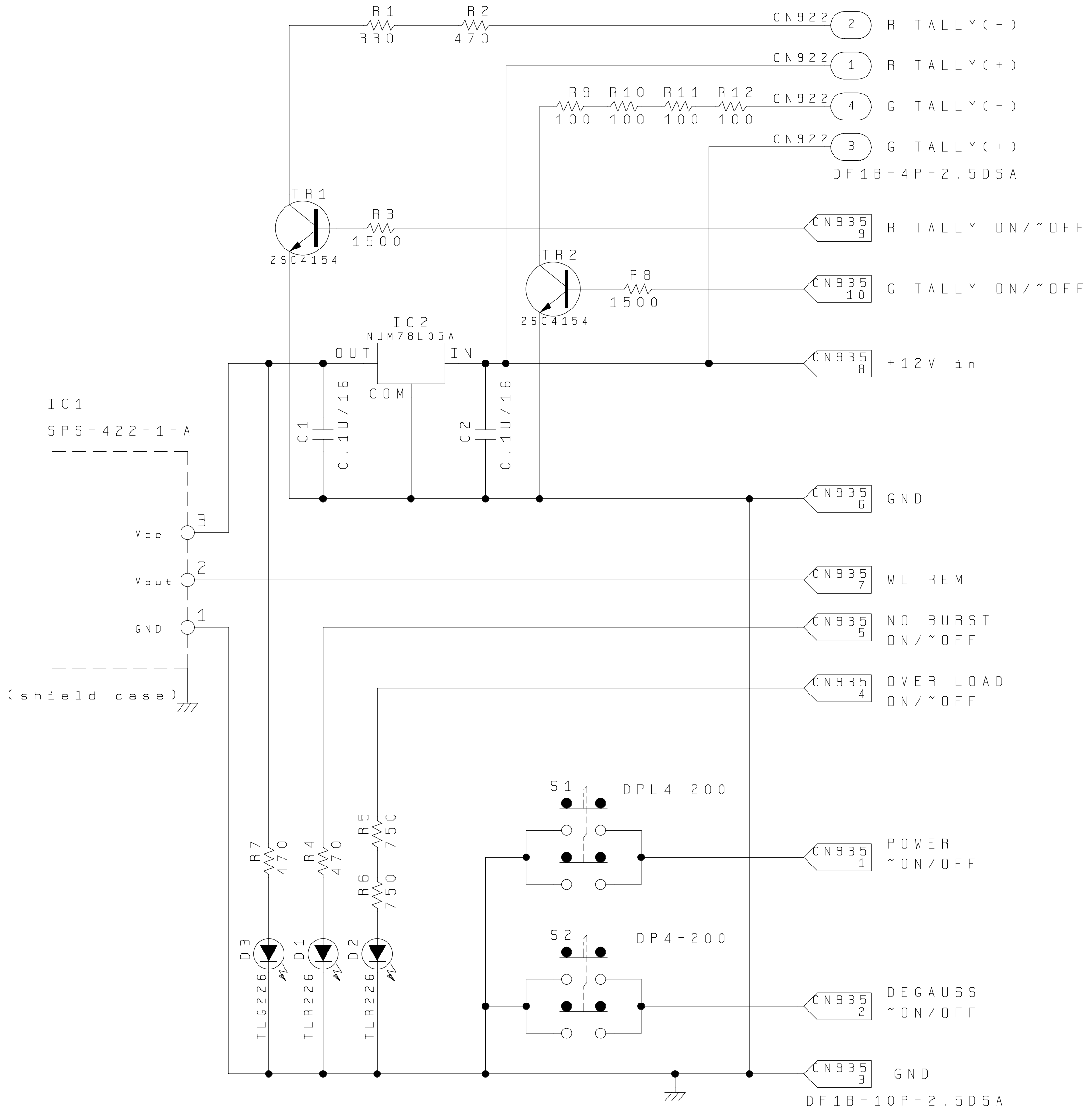
HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

FRONT PANEL BOARD
SCHEMATIC DIAGRAM

1/1

REV.

C4-904225 2



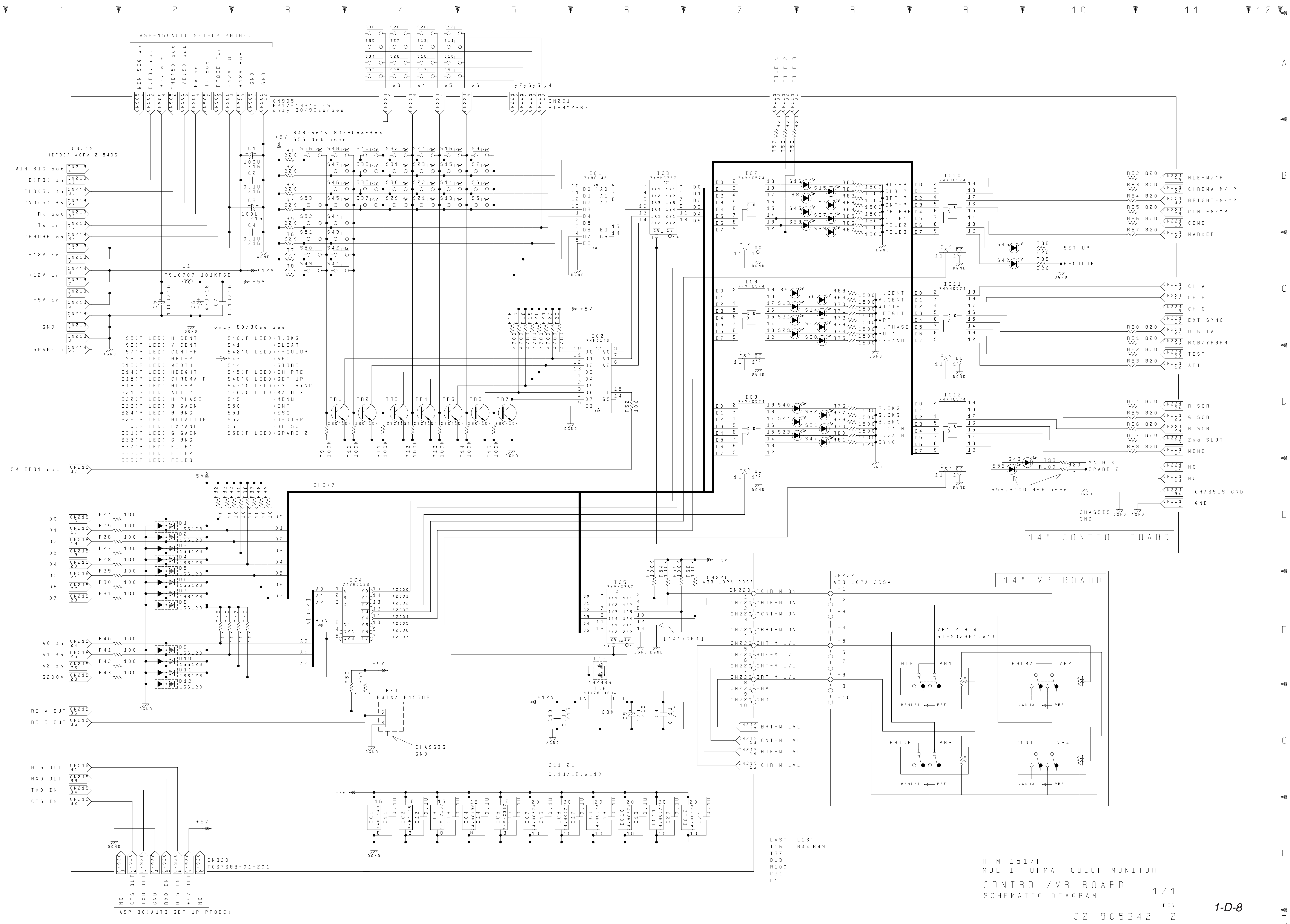
HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MONITOR

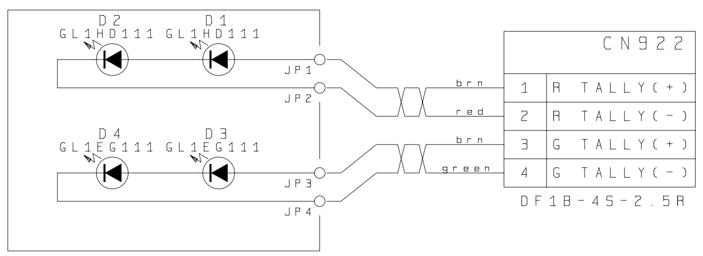
FRONT LEFT BOARD
SCHEMATIC DIAGRAM

1/1

REV.

C4-905339 2


ASP-15(AUTO SET-UP PROBE)
CN905 RP17-13RA-12SD only 80/90series
CN221 ST-902367
CN219 HIF3BA-40PA-2.54DS
14" CONTROL BOARD
14" VR BOARD
CN222 A3B-10PA-2DSA
VR1,2,3,4 ST-902361(x4)
C11-21 0.1U/16(x11)
CN920 TCS7688-01-201
ASP-80(AUTO SET-UP PROBE)
LAST LOST
IC6 R44 R49
TR7
D13
R100
C21
L1
HTM-1517R
MULTI FORMAT COLOR MONITOR
CONTROL/VR BOARD
SCHEMATIC DIAGRAM
1/1
REV.
C2-905342 2
1-D-8



HTM-1517R/1917R/1990R
MULTI FORMAT COLOR MOMITOR

LED BOARD
SCHEMATIC DIAGRAM

1/1

REV.

C4-905470 2